

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"10533149"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/10 13:12
L2	37	thermal expansion with conduit\$4 with spring	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/10 13:15
L3	5	thermal expansion with conduit\$4 with membrane	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/10 13:17
L4	74	thermal expansion with conduit\$4 with flex\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/10 13:18
L5	1	thermal expansion with (elbow or corner) conduit\$4 with flex\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/10 13:37
L6	1	thermal expansion with (elbow or corner) conduit\$4 same flex\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/10 13:37
L7	1	thermal expansion same (elbow or corner) conduit\$4 same flex\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/10 13:38
L8	45	(elbow or corner) conduit\$4 with flex\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/10 13:38
L9	1	(elbow or corner) conduit\$4 with flex\$4 and thermal expansion	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/10 13:38
L11	72	(95/45).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/10 14:01
L12	6	(96/7).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/10 14:01
L13	39	(210/500.23).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/10 14:01
L14	103	(210/232).ccls. and membrane with separation	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/10 14:02

L15	94	(210/232).ccls. and membrane with separation and (conduit or connect\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/10 14:07
L16	12	(210/321.65-321.89).ccls. and membrane with separat\$4 and elbow with conduit	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/10 14:13
S1	0	"10533149"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 09:52
S2	5	"4690760"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 10:17
S3	21	("3228876" "3504796" "4352736" "4358377" "4430219" "4690760" "4707267" "4715955" "4752305" "4781834" "4863600" "4997564" "5198110" "5261981" "5282964" "5352361" "5450516" "5538642" "5747138").PN. OR ("6183639").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 10:22
S4	60	("3228877" "3422008" "3557962" "3872014" "3957648" "4033878" "4220535" "4293418" "4367139" "4430219" "4451369" "4460641" "4649991" "4758341" "4781834" "4814079" "4855058" "4865736" "4911846" "4929259" "4940617" "4961760" "4997564" "5013437" "5026479" "5034126" "5059374" "5154832" "5158581" "5169530").PN. OR ("5352361").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 10:23

S5	46	"5182019"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 10:31
S6	1	"5332489"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 10:34
S7	10	"5332498"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 10:34
S8	25	("4220535" "4812184" "4871379" "4880440" "4904327" "4959152" "5000855" "5013331" "5034164" "5059374" "5137631" "5141031" "5143613" "5154832" "5174900" "5238562").PN. OR ("5332498").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 10:58
S9	38	"5922201"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 10:59
S10	49	("3616928" "3713540" "3976576" "3993816" "4075100" "4140637" "4346006" "4349440" "4448691" "4911846" "4940542" "4980056" "5032269" "5104535" "5141031" "5230796" "5248424" "5297591" "5332498").PN. OR ("5922201").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 11:00
S11	7	("3993816" "5225079" "5922201" "6156200" "D312494" "D325070").PN. OR ("D481782").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 11:04
S12	3	"6083390"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 11:05

S13	8	("4016078" "4276176" "4732676" "5141640" "5194149" "5470469").PN. OR ("6083390").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 11:06
S14	3	"6083390"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 11:07
S15	4	"6214226"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 11:07
S16	9	("4349440" "4791054" "5248424" "5480553" "5593580" "5783083" "5922201").PN. OR ("6214226").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 11:08
S17	42	("3998593" "4188360" "4239729" "4272373" "4374802" "4376095" "4428403" "4622206" "4639353" "4657743" "4659549").PN. OR ("4791054").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 11:10
S18	11	"6228146"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 11:11
S19	17	("4220535" "4666469" "4707267" "4752305" "5264171" "5470469" "5696545" "5830261" "5938922" "6168648" "6210464" "6228146").PN. OR ("6402818").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 11:12
S20	6	"6361588"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 11:13

S21	9	("4326513" "4449992" "4681099" "6248153" "6361588" "6511526" "6551384" "6558451" "6629525").PN. OR ("7331342").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 11:14
S22	1	"20020096458"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 11:14
S23	7	"6551386"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 11:15
S24	26	("20030039601" "5306411" "5356728" "5364506" "5591315" "5599510" "5681373" "5693212" "5712220" "5733435" "5744015" "5750279" "5817597" "5820654" "5820655" "5868918" "5980840" "6019885" "6056807" "6139604" "6139810" "6293084" "6309612" "6402988" "6551386").PN. OR ("7179323").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 11:16
S25	0	thermal exspansion and separate with gases and conduit	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 14:45
S26	5	thermal expansion with coefficient and 210/321	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/17 14:46
S27	36	"5264171"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/18 07:16
S28	12	"5938922"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/18 07:19
S29	6	"6010560"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/18 07:39
S30	78	Jensvold	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/18 07:41

S31	65	Jensvold and membrane	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/18 07:41
S32	38	Jensvold and membrane with porous	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/18 07:42
S33	55	Jensvold and membrane and separation with gas	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/18 07:42
S34	1	"6168649".PN.	USPAT; USOCR	ADJ	ON	2008/04/18 07:42
S35	22	Jensvold and membrane and separation with gas and coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/18 07:42
S36	21	Jensvold and membrane with porous and coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/18 07:43
S37	4	Jensvold and membrane with porous and coated and silica	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/18 07:45
S38	71	membrane with layer with silica and separation with gas	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/18 07:46
S39	145	("20020158008" "20040016699" "2028168" "2538529" "2664905" "2688437" "3327401" "3622003" "3693415" "3937317" "3940056" "3960318" "3961746" "3967778" "3977515" "4005817" "4015773" "4027820" "4067494" "4070290" "4071376" "4083488" "4103822" "4149668" "4164317" "4190537" "4251023" "4253962" "4288029" "4298162" "4311270" "4331270" "4343431" "4375870" "4379976" "4381849" "4410319" "4430221"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/18 09:57

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| "4793932" |
"4813923" | "4820256"
| "4840612" |
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| "4876006" |
"4925442" | "4952317"
| "4978331" |
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| "5100556" |
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| "5441651" |
"5445771" | "5500122"
| "5550022" |
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| "5601522" |
"5601524" | "5618409"
| "5685980" |
"5725767" | "5759744"
| "5779619" |
"5792037" | "5820767"
| "5824217" |
"5922201" | "5979668"
| "6033564" |
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| "6149810" |
"6161435" | "6221255"
| "6248053" |
"6312610" | "6322698"
| "6332913" |

		"6358193" "6387271" "6390964" "6416666" "6468198").PN. OR ("6565747" "6602325" "6613231" "6656356" "6673242" "6685832" "6702941" "6706180" "6706189" "6708957" "6739459" "6770202" "6787046" "6893563" "6919006" "7008540").PN. OR ("7294274").URPN.				
S40	2	"9714825"	US-PGPUB; USPAT; USOCR; FPRS; EPO	ADJ	ON	2008/04/21 08:06
S41	1	"97 14825"	US-PGPUB; USPAT; USOCR; FPRS; EPO	ADJ	ON	2008/04/21 08:06
S42	6	membrane with layer with support tube and separation with fluid	US-PGPUB; USPAT; USOCR; FPRS; EPO	ADJ	ON	2008/04/21 08:37
S43	3	Jensvold and membrane with porous and coated and zeolite	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 09:09
S44	38	membrane with porous with coated same zeolite	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 09:11
S45	0	264/DIG "48"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 10:49
S46	1276	210/500.23	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 10:49
S47	951	(210/500.23).ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 10:50
S48	2576	(210/232).ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 10:50
S49	665	(210/500.23).ccls. and membrane with separat \$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 10:50

S50	36	(210/500.23).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 10:50
S51	5	(210/232).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 10:51
S52	4	(210/321.79).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 10:57
S53	5	(210/321.88).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 10:57
S54	9	(210/321.89).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 10:57
S55	1	(210/321.65).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 10:58
S56	4	(210/321.72).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 10:58
S58	0	(210/332).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 10:59
S59	6	(96/7).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 10:59
S60	65	(95/45).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 11:03
S61	5	(210/321.8).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/21 11:03
S62	11340	manifold with filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 15:55
S63	0	manifold with filter and 210/312.5	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 15:56
S64	1832	manifold with filter and "210".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 15:56
S65	209	manifold with (inlet or outlet) and membrane with tube and "210". clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 16:02

S66	54	("3607863" "3754951" "4083730" "4330633" "4791079" "4793904" "4802958" "4827071" "4933054" "5160618" "5160713" "5210059" "5240480" "5306411" "5356728" "5366712" "5393325" "5397541" "5430209" "5466646" "5591315" "5639437" "5648304" "5693212" "5702999" "5714091" "5723035" "5744015" "5779904" "5788748" "5821185").PN. OR ("6033632").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 16:03
S67	17	unrestrained with manifold	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 16:34
S68	1496	manifold with membrane and membrane with filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 17:05
S69	116	manifold with (inlet or outlet) and membrane with tube and "210". clas. and membrane with filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 17:05
S73	744	manifold with thermal expansion	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 17:08
S74	1	manifold with (inlet or outlet) and membrane with tube and "210". clas. and membrane with filter and thermal expansion	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 17:09
S75	22	manifold with thermal expansion and manifold with membrane	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 17:12
S76	748	manifold with membrane and membrane with tube	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 17:20

S77	330	manifold with membrane and membrane with tube and membrane with filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 17:20
S78	117	manifold with membrane and membrane with tube and membrane with filter and "210".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/04 17:20
S79	4	("2854142").URPN.	USPAT	ADJ	ON	2008/11/04 17:21
S80	54	("3607863" "3754951" "4083730" "4330633" "4791079" "4793904" "4802958" "4827071" "4933054" "5160618" "5160713" "5210059" "5240480" "5306411" "5356728" "5366712" "5393325" "5397541" "5430209" "5466646" "5591315" "5639437" "5648304" "5693212" "5702999" "5714091" "5723035" "5744015" "5779904" "5788748" "5821185").PN. OR ("6033632").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 09:55
S81	11	((("3607863" "3754951" "4083730" "4330633" "4791079" "4793904" "4802958" "4827071" "4933054" "5160618" "5160713" "5210059" "5240480" "5306411" "5356728" "5366712" "5393325" "5397541" "5430209" "5466646" "5591315" "5639437" "5648304" "5693212" "5702999" "5714091" "5723035"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 09:55

		"5744015" "5779904" "5788748" "5821185").PN. OR ("6033632").URPN.) and manifold				
S82	9	("5082751" "5273839" "5492777" "5985113" "6033632" "6379831" "6416897" "6656623").PN. OR ("6841284").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 10:28
S83	4	(("5082751" "5273839" "5492777" "5985113" "6033632" "6379831" "6416897" "6656623").PN. OR ("6841284").URPN.) and manifold	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 10:28
S84	10	"6926826"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 10:57
S85	8	"6926826" and manifold	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 10:57
S86	172	manifold with membrane and membrane with tube and membrane with filter and manifold with filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 11:07
S87	36	(210/500.23).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 13:17
S88	5	(210/232).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 13:18
S89	4	(210/321.79).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 13:18
S90	5	(210/321.88).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 13:18
S91	9	(210/321.89).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 13:18

S92	1	(210/321.65).ccls. and membrane with separat\$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 13:18
S93	6	(96/7).ccls. and membrane with separat\$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 13:18
S94	68	(95/45).ccls. and membrane with separat\$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 13:19
S95	11	"2678529"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 13:29
S96	10	"3027715"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/05 13:29
S97	0	(210/321.65-321.89). ccls. and membrane with separat\$4 with coated and elbow conduit	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 12:45
S98	0	(210/321.65-321.89). ccls. and membrane with separat\$4 and elbow conduit	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 12:45
S99	12	(210/321.65-321.89). ccls. and membrane with separat\$4 and elbow with conduit	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 12:45
S100	478	(210/321.65-321.89). ccls. and membrane with separat\$4 and conduit with connect\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 12:46
S101	0	"10533149"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 12:50
S102	57	(210/321.65-321.89). ccls. and membrane with separat\$4 and manifold with connect \$4 with conduit	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 12:52
S103	27	("2353489" "3442389" "3542204" "3608730" "3612282").PN. OR ("3722694").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 13:00

S104	74	("3339341" "3442002" "3716143" "3722694" "3722695" "3832830" "3977976" "4237596" "4367139" "4378981" "4380460" "4451369" "4508548" "4517720" "4565630" "4578190" "4676808" "4690758" "4707267" "4734106" "4744900" "4752305" "4781832" "4781834" "4863600" "4871379" "4881955" "4929259" "4959152" "4961760" "5013331" "5013437" "5053130").PN. OR ("5282964").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 13:04
S105	20	("20020074277" "4704205" "4732673" "4846973" "4861485" "4917798" "4992170" "5102550" "5108464" "5183566" "5202023" "5282964" "5288308" "5352272" "5380433" "5525143" "5993515" "6113782" "6210464" "6755975").PN. OR ("7459084").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 13:09
S106	15	("3728256" "4218313" "4271014" "4289623" "4496458" "4689255" "5282964" "5779897" "5846427" "6126819" "6251275" "6524481").PN. OR ("7128837").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 14:33
S107	38	(210/500.23).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 14:48

S108	99	(210/232).ccls. and membrane with separation	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 14:48
S109	90	(210/232).ccls. and membrane with separation and (conduit or connect\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 14:49
S110	6	(96/7).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 15:27
S111	72	(95/45).ccls. and membrane with separat \$4 with coated	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/28 15:27

EAST Search History (Interference)

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9/10/2009 2:14:26 PM**C:\ Documents and Settings\ amillerharris\ My Documents\ EAST\ Workspaces\ 10533149.wsp**